



PWS-5 Regular, PWS-8 Extra, PWS-15 Super

PRODUCT DESCRIPTION & USE

Professional® Water Sealant is a clear, penetrating, breathable water repellent formulated using durable Room Temperature Vulcanizing Silicone Rubber. For use on above-grade concrete, brick, block, precast, pavers, manufactured stone, natural stone, stucco and other porous building materials which allow penetration of the water repellent.

Three strengths to compensate for varying porosities of building materials*

- PWS-5 Regular Strength: 5% solids
- PWS-8 Extra Strength: 8% solids
- PWS-15 Super Strength: 15% solids

Effectively seals most porous substrates with one coat providing that the appropriate strength is applied—extremely porous, lightweight CMU may require additional coats.

**See Figure 1 for more information*

Advantages

- Easy to apply with low-pressure spray
- Bridges hairline cracks
- Breathable—allows moisture vapor to escape while preventing water penetration
- Protects against:
 - Efflorescence
 - Mold & mildew
 - Calcium carbonate stains
 - Freeze-thaw damage
 - Chloride Ion penetration
 - Hard water stains
 - Rust stains
- Penetrating
- Durable & long lasting—not affected by ultra violet rays, airborne pollutants, salt spray or acid rain
- Dries to a clear matte finish—may slightly enhance or darken some substrates
- Withstands wind-driven rain

Cautions

Not suitable for:

- Extremely dense, polished, or non-porous surfaces
- Painted surfaces
- Below-grade use
- Asphalt or polystyrene—which may be affected by solvent

TECHNICAL DATA

Form:	Clear liquid
VOC Content:	All products are available in formulations that comply with the most restrictive VOC regulations to include SCAQMD, CARB, OTC and LADCO.
Active Ingredient:	RTV Silicone Rubber
Packaging:	1 gallon (3.785 L) cans, 5 gallon (18.925 L) pails, 55 gallon (208.175 L) drums
Total Solids	5%, 8%, or 15%
Wt./Gal:	7.425 to 14.025 lbs. depending upon formulation—contact manufacturer for more specific info
Shelf Life:	1 year in unopened container
Flash Point:	105°
Solubility in water:	<0.1%

INSTALLATION

Preparatory Work

Prior to applying the water repellent, take precautions to protect:

- Building occupants—shut down air-handling equipment and cover heating and air conditioning ducts and fresh air-intakes
- Vehicles—move vehicles to protect from overspray
- Metal, glass, anodized aluminum
- Vegetation
- Painted, and/or all non-masonry surfaces

Surfaces to be treated must be:

- Clean & dry—minimum of 48 hours after rain or minimum of 72 hours after power washing
- Free from dirt, grease, oil, efflorescence, form release or any other paint/coating which may inhibit penetration and adhesion
- Completely cured
 - Concrete and masonry should cure for 28 days
 - Caulking and joint sealants should be installed and cured
- Properly prepared
 - Damaged mortar joints should be re-pointed
 - Extremely dense horizontal surfaces should be prepared using soda, sand, or shot blasting to facilitate penetration

Surface & Air Temperatures

May be applied at any temperature below 95° F. When applied at temperatures below 40° F, the product may cure at a slower rate.

Product application must not be initiated:

- During inclement weather
- When precipitation appears imminent—application should be completed at least twelve hours before onset of precipitation
- When frozen moisture is present in the substrate

Test Area

In order to determine exact coverage rates, evaluate performance and aesthetics, a mock-up is ALWAYS REQUIRED. The mock-up should be conducted in the same manner and on the exact substrate(s) that simulate actual project conditions. Visit www.watersealant.com for application and testing guidance. *The Estimated Coverage Rate Chart provided in Figure 1 reflects approximate coverage rates only.*

Application

- Apply material using high-volume, low pressure spray equipment (between 40-60 psi), with a fan tip and solvent resistant fittings.
Do not use Airless spray equipment.
- On vertical surfaces, apply from top to bottom in a saturating flood coat obtaining a 4 to 6 inch rundown of product from the point where the spray makes contact with the surface. Continue down the building being sure to cover the rundown with an equal volume of product. Avoid excessive overlapping.
 - Denser substrates may require back rolling after product is applied to smooth out any rundown lines
 - Brush any excess product that may accumulate on ledges and other areas
- On horizontal surfaces, the water repellent must not be allowed to puddle or pond.
 - Over-application may result in product curing on the surface
 - Product that has not absorbed within 5 minutes must be immediately wiped up
 - PWS-15 Super Strength is not recommended for use on horizontal surfaces
 - Cures for foot traffic in 24 hours—vehicular traffic in 72 hours

Precautions

- Use only as supplied—do not thin or dilute
- PWS-5 Regular & PWS-8 Extra must be used within 48 hours of opening—PWS-15 and **ALL** low VOC formulations must be used the same day as opening
- Clean application equipment immediately after each use with mineral spirits or other solvent

SAFETY INFORMATION

Avoid excessive exposure and breathing of vapor. Use with adequate ventilation. Do not take internally. Avoid contact with skin or clothing. Wash thoroughly after handling. Avoid contact with open flame, electric arcs or other hot surfaces.

Wear solvent resistant gloves, goggles and an OSHA approved, properly fitted respirator during application.

FIRST AID

Inhalation

Remove victim to fresh air. If breathing has stopped, administer artificial respiration. Call a physician.

Skin

Remove contaminated clothing and shoes. Wash exposed area thoroughly with soap and water for at least 15 minutes. Wash contaminated clothing before reuse.

Eyes

Flush eyes immediately with water for at least 15 minutes. If irritation persists, call a physician.

Ingestion

DO NOT INDUCE VOMITING. Contact physician or seek emergency medical treatment.

WARRANTY

Professional Products of Kansas, Inc. warrants this product to be free from defects for one year from date of manufacture. Professional Products of Kansas, Inc.'s liability shall be limited in all events to supplying sufficient product to retreat the specific areas to which defective product has been applied. THIS GUARANTEE IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER LIABILITIES ON THE PART OF SELLER. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES. THIS PARAGRAPH IS NOT APPLICABLE TO CONSUMER TRANSACTIONS OR WHERE PROHIBITED BY LAW. This warranty may not be modified or extended by representatives of Professional Products of Kansas, Inc. or its distributors.

Manufacturer warrants the performance of the product for up to ten years. Contact the manufacturer or visit www.watersealant.com for warranty application details.

TECHNICAL SERVICES

Technical services and samples are available upon request. Services include assistance during design, specification, and application stages. Please call 800-676-7346 for assistance.

ESTIMATED COVERAGE RATES

Figure 1. Estimated Coverage Chart

Substrate	Product		Coverage rate Sq. ft./gal	# coats
Block – Burnished	PWS-8	Extra	100-125	1
Block - Fluted*	PWS-15	Super	60-100	1
Block – Haydite (expanded shale)*	PWS-15	Super	50-80	1
Block – Smooth (heavyweight)***	PWS-15	Super	100-125	1
Block – Split face*	PWS-15	Super	60-100	1
Brick – hard fired vertical/horizontal	PWS-5	Regular	125-150	1
Brick – porous vertical	PWS-8	Extra	100-150	1
Brick – porous horizontal	PWS-5	Regular	125-150	1
Concrete – poured, vertical/horizontal	PWS-5	Regular	150-200	1
Concrete – manufactured stone	PWS-5	Regular	125-150	1
Concrete – pavers	PWS-5	Regular	100-150	1
Concrete – precast	PWS-5	Regular	100-150	1
Granite** - porous, not polished	PWS-5	Regular	100-150	1
Limestone / Sandstone	PWS-8	Extra	100-150	1
Marble** - porous, not polished	PWS-5	Regular	125-150	1
Slate	PWS-5	Regular	125-175	1
Stucco	PWS-8	Extra	100-150	1
Wood – cedar	PWS-8	Extra	125-150	1
Wood – treated and redwood	PWS-5	Regular	150-175	1

*Extremely porous block may require more than one coat.

**Not recommended for polished surfaces.

***These are generalized recommendations. Actual coverage rates and product performance is to be determined by testing.